

3. TRIODES, POWER, REVERSE-BLOCKING-SCRs

IN ORDER OF (1) MAX. REPETIT. OFF-ST. VOLT (2) MAX. STATIC ON-ST. CUR (3) @T (4) IGT (5) VGT (6) TYPE No.

| LINE No. | TYPE No. | MAX. REP OFF-STATE VOLTAGE (V) | MAX. STATIC ON-STATE CURRENT (A) | MAXIMUM GATE FIRING CHARACTER. | | | MAX. HOLD. CUR. IH (A) | MAX. OFF-ST. CURRENT IR@VRRM OR ID@VDRM@T (A) | MAXIMUM ON-STATE VOLTAGE | | TYPICAL SWITCHING | | WORST-CASE dV/dt (V/us) | SURGE CURRENT I_TSM (A) | OPER. TEMP. RANGE CODE | LEAD CODE | DRAWING No. | |
|----------|--------------|--------------------------------|----------------------------------|--------------------------------|-----------|-----------|------------------------|---|--------------------------|---------|-------------------|---------|-------------------------|-------------------------|------------------------|-----------|-------------|--------|
| | | | | 3 @T (°C) | 4 IGT (A) | 5 VGT (V) | | | VT (V) | @IT (A) | tgt (s) | @IT (A) | | | | | | tq (s) |
| 1* | CR250J36 | 1.8k | 250 | 85C | 200m | 1.5 | 15m | 125J | 1.8 | 780 | | | 100 | 5.0k | 4C+ | BX | SC114 | |
| 2* | 2SF54 | 1.8k | 250 | 65C | 350m | 4.0 | 30m | 125J | 1.8 | 780 | | | 100 | 5.0k | 4C+ | BX | SC27 | |
| 3 | 251RA200 | 1.8k | 250 | 75C | 150m | 3.0 | 500m | 125J | 1.7 | 785 | 1.0u# | 50 | 60u | 200 | 7.0k | 4C+ | BX | TO118 |
| 4 | 251RA200 | 1.8k | 250 | 75C | 150m | 3.0 | 500m | 125J | 1.7 | 785 | 1.0u# | 50 | 60u | 200 | 7.0k | 4C+ | BX | TO108 |
| 5# | 253RA180 | 1.8k | 250 | 75C | 150m | 3.0 | 500m | 125J | 1.7 | 785 | 1.0u# | 50 | 60u | 200 | 7.0k | 4C+ | BX | TO118 |
| 6# | T218N1800TOF | 1.8k | 255 | 75C | 150m | 1.4 | 200m | 125J | 2.0 | 800 | 4.5u# | | 200u | 1.0k | 3.8k | 4C+ | BB | MU1189 |
| 7# | 61T20-EE00 | 1.8k | 275 | | 400m | | 900mΔ | 40m | 2.5 | 665 | | | 50 | 3.2k | 4F+ | | RD6 | |
| 8# | 61T20-RE00 | 1.8k | 275 | | 400m | | 900mΔ | 40m | 2.5 | 665 | | | 50 | 3.2k | 4F+ | | RD46 | |
| 9# | 61T21-EE00 | 1.8k | 275 | | 400m | | 900mΔ | 40m | 2.5 | 665 | | | 50 | 3.2k | 4F+ | | RD46 | |
| 10# | 61T21-RE00 | 1.8k | 275 | | 400m | | 900mΔ | 40m | 2.5 | 665 | | | 50 | 3.2k | 4F+ | | RD46 | |
| 11# | 61TB18-EE00 | 1.8k | 275 | | 400m | | 900mΔ | 40m | 2.5 | 665 | | | 50 | 3.2k | 4F+ | | RD46 | |
| 12# | 61TB18-RE00 | 1.8k | 275 | | 400m | | 900mΔ | 40m | 2.5 | 665 | | | 50 | 3.2k | 4F+ | | RD46 | |
| 13# | BSN35120S9 | 1.8k | 280 | 73C | 250m | 1.5 | 250m | 25m | 125J | 1.9 | 2.2u# | 28 | 200u | 500 | 6.2k | 4C+ | | SC200 |
| 14# | BSN35120S10 | 1.8k | 280 | 73C | 250m | 1.5 | 250m | 25m | 125J | 1.9 | 2.2u# | 28 | 200u | 500 | 6.2k | 4C+ | | SC200 |
| 15# | BSN55120 | 1.8k | 280 | 73C | 250m | 1.5 | 250m | 25m | 125J | 1.9 | 2.2u# | 28 | 200u | 500 | 6.2k | 4C+ | | SC161 |
| 16# | BSN55120S9 | 1.8k | 280 | 73C | 250m | 1.5 | 250m | 25m | 125J | 1.9 | 2.2u# | 28 | 200u | 500 | 6.2k | 4C+ | | SC161 |
| 17# | BSN55120S10 | 1.8k | 280 | 73C | 250m | 1.5 | 250m | 25m | 125J | 1.9 | 2.2u# | 28 | 200u | 500 | 6.2k | 4C+ | | SC161 |
| 18# | T235N180EOC | 1.8k | 280 | 85C | 200m | 2.0 | 300m | 50m | 125J | 2.2 | 4.0u | 100 | 100u | 400 | 5.5k | 5C+ | BX | MU6a |
| 19# | CS130-180e2 | 1.8k | 300 | Δ | 200m | 3.0 | Δ | 40m | 125J | 1.7 | 75 | | 150u | 1.0k | 3.0k | 5C+ | BK | RD50 |
| 20 | 300RA190 | 1.8k | 300 | 75C | 150m | 3.0 | 500m | 30m | 125J | 1.4 | 1.0u# | 50 | 120u | 500 | 8.0k | 4C+ | BX | TO118 |
| 21 | 300RB190 | 1.8k | 300 | 75C | 150m | 3.0 | 500m | 30m | 125J | 1.6 | 1.0u# | 50 | 75u | 200 | 8.0k | 4C+ | BX | TO118 |
| 22 | 301RA180 | 1.8k | 300 | 75C | 150m | 3.0 | 500m | 30m | 125J | 1.4 | 1.0u# | 50 | 120u | 500 | 8.0k | 4C+ | BX | TO108 |
| 23 | 301RB180 | 1.8k | 300 | 75C | 150m | 3.0 | 500m | 30m | 125J | 1.6 | 1.0u# | 50 | 75u | 200 | 8.0k | 4C+ | BX | TO108 |
| 24 | 303RA190 | 1.8k | 300 | 75C | 150m | 3.0 | 500m | 30m | 125J | 1.4 | 1.0u# | 50 | 120u | 200 | 8.0k | 4C+ | BX | MU93 |
| 25 | 303RB190 | 1.8k | 300 | 75C | 150m | 3.0 | 500m | 30m | 125J | 1.6 | 1.0u# | 50 | 75u | 200 | 8.0k | 4C+ | BX | MU93 |
| 26# | FT300DM36 | 1.8k | 300 | 76C | 200m | 2.5 | | 30m | 125J | 1.9 | 940 | | 350 | 7.0k | 4C+ | BC | MU178a | |
| 27# | 62T20-LH00 | 1.8k | 315 | | 400m | | 900mΔ | 40m | 2.3 | 665 | | | 300 | 3.8k | 4F+ | | RD46 | |
| 28# | 62T21-LH00 | 1.8k | 315 | | 400m | | 900mΔ | 40m | 2.3 | 665 | | | 300 | 3.8k | 4F+ | | RD46 | |
| 29# | BSN52120 | 1.8k | 320 | 74C | 250m | 1.5 | 250m | 25m | 125J | 1.8 | 2.2u# | 32 | 200u | 500 | 6.9k | 4C+ | | SC161 |
| 30# | BSN52120S9 | 1.8k | 320 | 74C | 250m | 1.5 | 250m | 25m | 125J | 1.8 | 2.2u# | 32 | 200u | 500 | 6.9k | 4C+ | | SC161 |
| 31# | BSN52120S10 | 1.8k | 320 | 74C | 250m | 1.5 | 250m | 25m | 125J | 1.8 | 2.2u# | 32 | 200u | 1.0k | 6.9k | 4C+ | | SC161 |
| 32 | PSIE180-18 | 1.8k | 330 | 45C | 150m | 3.0 | 200m | 20m | 125J | 3.0 | 500 | | 100 | 3.0k | 4C+ | AB | MU123 | |
| 33 | PSIF180-18 | 1.8k | 330 | 45C | 150m | 3.0 | 200m | 20m | 125J | 3.0 | 500 | | 100 | 3.0k | 4C+ | AB | MU123a | |
| 34# | BSM45120S9 | 1.8k | 350 | 80C | 250m | 1.5 | 250m | 25m | 125J | 2.2 | 1.1k | 35 | 180u | 200 | 5.2k | 4C+ | | MU86 |
| 35# | BSF55120S9 | 1.8k | 350 | 82C | 250m | 1.5 | 250m | 40m | 125J | 1.7 | 1.1k | 35 | 200u | 500 | 5.1k | 4C+ | | SC161 |
| 36# | BSF55120S10 | 1.8k | 350 | 82C | 250m | 1.5 | 250m | 40m | 125J | 1.7 | 1.1k | 35 | 200u | 1.0k | 5.1k | 4C+ | | SC161 |
| 37# | CR707SW2020 | 1.8k | 360 | 85C | 150m | 3.5 | 78m | 50m | 125C | 2.0 | 1.0k | 100 | 180u | 300 | 5.6k | 5C+ | BX | RD86 |
| 38# | CR707SW2121 | 1.8k | 360 | 85C | 150m | 3.5 | 78m | 50m | 125C | 2.0 | 1.0k | 100 | 180u | 300 | 5.6k | 5C+ | BX | RD86 |
| 39 | PSIE220-18 | 1.8k | 370 | 34C | 150m | 3.0 | 200m | 20m | 125J | 2.6 | 500 | | 15u# | 500 | 3.0k | 4C+ | AB | MU123 |
| 40 | PSIF220-18 | 1.8k | 370 | 34C | 150m | 3.0 | 200m | 20m | 125J | 2.6 | 500 | | 15u# | 500 | 3.0k | 4C+ | AB | MU123a |
| 41# | BSL45120 | 1.8k | 375 | 60 | 250m | 1.5 | 250m | 15m | 125J | 2.5 | 720 | | 200 | 5.0k | 4F+ | | RD46 | |
| 42# | 71T20-CE00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 20 | 5.0k | 4F+ | | RD46 | |
| 43# | 71T20-CH00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 20 | 5.0k | 4F+ | | RD46 | |
| 44# | 71T20-EE00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 50 | 5.0k | 4F+ | | RD46 | |
| 45# | 71T20-EH00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 50 | 5.0k | 4F+ | | RD46 | |
| 46# | 71T20-GE00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 100 | 5.0k | 4F+ | | RD46 | |
| 47# | 71T20-GH00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 100 | 5.0k | 4F+ | | RD46 | |
| 48# | 71T20-JE00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 200 | 5.0k | 4F+ | | RD46 | |
| 49# | 71T20-JH00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 200 | 5.0k | 4F+ | | RD46 | |
| 50# | 71T20-LE00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 300 | 5.0k | 4F+ | | RD46 | |
| 51# | 71T20-LH00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 300 | 5.0k | 4F+ | | RD46 | |
| 52# | 71T20-NE00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 400 | 5.0k | 4F+ | | RD46 | |
| 53# | 71T20-NH00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 400 | 5.0k | 4F+ | | RD46 | |
| 54# | 71T20-RE00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 500 | 5.0k | 4F+ | | RD46 | |
| 55# | 71T21-CE00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 20 | 5.0k | 4F+ | | RD46 | |
| 56# | 71T21-CH00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 20 | 5.0k | 4F+ | | RD46 | |
| 57# | 71T21-EE00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 50 | 5.0k | 4F+ | | RD46 | |
| 58# | 71T21-EH00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 50 | 5.0k | 4F+ | | RD46 | |
| 59# | 71T21-GE00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 100 | 5.0k | 4F+ | | RD46 | |
| 60# | 71T21-GH00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 100 | 5.0k | 4F+ | | RD46 | |
| 61# | 71T21-JE00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 200 | 5.0k | 4F+ | | RD46 | |
| 62# | 71T21-JH00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 200 | 5.0k | 4F+ | | RD46 | |
| 63# | 71T21-LE00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 300 | 5.0k | 4F+ | | RD46 | |
| 64# | 71T21-LH00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 300 | 5.0k | 4F+ | | RD46 | |
| 65# | 71T21-NE00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 400 | 5.0k | 4F+ | | RD46 | |
| 66# | 71T21-NH00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 400 | 5.0k | 4F+ | | RD46 | |
| 67# | 71T21-RE00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 500 | 5.0k | 4F+ | | RD46 | |
| 68# | 71TB18-CE00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 20 | 5.0k | 4F+ | | RD46 | |
| 69# | 71TB18-CH00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 20 | 5.0k | 4F+ | | RD46 | |
| 70# | 71TB18-EE00 | 1.8k | 400 | | 400m | | 900mΔ | 40m | 2.1 | 850 | | | 50 | 5.0k | 4F+ | | RD46 | |